

Patent Claims

1. A light source module having a plurality of LEDs  
connected to a metal carrier (4) in an insulating  
5 manner,  
characterized in that  
the LEDs are surrounded by a frame (10), potting  
composition (11, 12) is arranged between the frame (10)  
and the LEDs and the frame (10) has expansion joints  
10 (13).
2. The light source module as claimed in claim 1,  
characterized in that  
the frame (10) is segmented into a plurality of frame  
15 parts (10a, 10b) by expansion joints.
3. The light source module as claimed in either of  
claims 1 and 2,  
characterized in that  
20 a maximum of four cutouts (14) for receiving LEDs are  
provided per frame part.
4. The light source module as claimed in one of  
claims 1 to 3,  
25 characterized in that  
the frame (10) is produced from plastic.
5. The light source module as claimed in one of  
claims 1 to 4,  
30 characterized in that  
the frame (10) is adhesively bonded at the underside  
toward the printed circuit board (8).
6. The light source module as claimed in one of  
35 claims 1 to 5,  
characterized in that  
the metal carrier (4) is produced from aluminum or  
copper.

7. The light source module as claimed in one of claims 1 to 6, characterized in that the LEDs are arranged in a grid.

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8. A method for producing a light source module as claimed in one of claims 2 to 7, characterized in that the segmentation of the frame (10) is carried out by means of a sawing device, so that separating cuts (14) arise between the frame parts.

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